

**AMENDMENTS TO THE CLAIMS:**

This listing of claims replaces all prior versions and listings of claims in this application:

1-23. (Cancelled)

24. (Currently amended) An isolated polynucleotide comprising:

a) nucleotide 1252 through 1543 of ~~Figure 2~~ SEQ ID NO:3; or

b) nucleotides encoding amino acids 299 through 396 of ~~Figure 2~~ SEQ ID NO:4.

25. (Cancelled)

26. (Currently amended) An isolated polynucleotide comprising nucleotides 1252 through 1543 of ~~Figure 2~~ SEQ ID NO:3.

27-29. (Cancelled)

30. (Currently amended) An isolated polynucleotide comprising nucleotides encoding amino acids 299 through 396 of ~~Figure 2~~ SEQ ID NO:4.

31-34. (Cancelled)

35. (Previously presented) A vector comprising a polynucleotide of claim 24 in operative association with an expression control sequence therefor.

36-37. (Cancelled)

38. (Previously presented) A host cell transformed with a vector of claim 35.

39-41. (Cancelled)

42. (Previously presented) A method for producing a bone morphogenetic protein, said method comprising the steps of:

- a) culturing a host cell transformed with a polynucleotide of claim 24, and
- b) recovering said bone morphogenetic protein.

43-54. (Cancelled)